

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of producing a superconductor, comprising the step of forming a superconducting layer on a base layer by performing a film deposition at least three times, wherein the film thickness of a superconducting film made in each film deposition is 0.3 μm or less and the superconducting film layer having the film a layer thickness of 0.75 to 3 μm is formed on the base layer and wherein the base layer is composed of Ni, Cr, Mn, Co, Fe, Pd, Cu, Ag or Au or an alloy of at least two of Ni, Cr, Mn, Co, Fe, Pd, Cu, Ag or Au.

2. (Cancelled)

3. (Previously Presented) A method of producing a superconductor according to claim 1, wherein a supply area velocity of the base layer in each film deposition is at least $0.04\text{m}^2/\text{h}$.

4. (Currently Amended) A superconductor comprising a superconducting layer formed by performing film deposition on a base layer at least three times, wherein the superconducting layer has a layer thickness in the range of 0.75 μm to 3.0 μm , the film thickness of a superconducting film made in each film deposition being 0.3 μm or less and wherein the base layer is composed of Ni, Cr, Mn, Co, Fe, Pd, Cu, Ag or Au or an alloy of at least two of Ni, Cr, Mn, Co, Fe, Pd, Cu, Ag or Au.